

## United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS P.O. Box 1450 Alexandria, Vignia 22313-1450 www.uspto.gov

PPLICATION NO	).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/676,875	•	09/29/2000	Bruce Randall Cook	ECB-0004	3306	
27810	7590	05/06/2003				
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY P.O. BOX 900 1545 ROUTE 22 EAST				EXAMINER		
				GRIFFIN, WALTER DEAN		
ANNAND	ALE, NJ	08801-0900		ART UNIT	PAPER NUMBER	
				1764		
				DATE MAILED: 05/06/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	_			59
		Application No.	Applicant(s)	
Advisory Action		09/676,875	COOK ET AL.	
		Examiner	Art Unit	
		Walter D. Griffin	1764	
The MAI	LING DATE of this communication app	ars on the cover sheet with the	correspond nc address	
Therefore, further a final rejection unde condition for allowa	D 24 April 2003 FAILS TO PLACE T action by the applicant is required to er 37 CFR 1.113 may only be either: ance; (2) a timely filed Notice of App in compliance with 37 CFR 1.114.	avoid abandonment of this appli (1) a timely filed amendment wh	cation. A proper reply to a ich places the application i	in
	PERIOD FOR R	REPLY [check either a) or b)]		
a) The period f	or reply expiresmonths from the mailing	g date of the final rejection.		
event, howev	or reply expires on: (1) the mailing date of this Adver, will the statutory period for reply expire later of THIS BOX WHEN THE FIRST REPLY WA	than SIX MONTHS from the mailing date of	of the final rejection.	
Extensions of time of the data that been filed is the data and the data are the data and the data are the data and the data and the data are the data and the data are the data and the data are the dat	may be obtained under 37 CFR 1.136(a). The off the for purposes of determining the period of extellated from: (1) the expiration date of the shortent only reply received by the Office later than three numbers. See 37 CFR 1.704(b).	ension and the corresponding amount of the ed statutory period for reply originally set in	e fee. The appropriate extension for the final Office action; or (2) as se	ee under et forth in
	Appeal was filed on Appellan 92(a), or any extension thereof (37 C			
2. The propose	ed amendment(s) will not be entered	because:		
(a) 🗌 they rai	se new issues that would require furt	her consideration and/or search	(see NOTE below);	
(b) 🔲 they rai	se the issue of new matter (see Note	e below);		
• • -	e not deemed to place the application for appeal; and/or	n in better form for appeal by ma	terially reducing or simplify	ing the
(d) ☐ they pr NOTE:	resent additional claims without cance	eling a corresponding number of	finally rejected claims.	
	reply has overcome the following reje	ection(s): <u>The 112, second parag</u>	raph rejection of claim 7 h	as been
4. Newly propo	osed or amended claim(s) would no non-allowable claim(s).	ld be allowable if submitted in a	separate, timely filed amer	ndment
	fidavit, b)		sidered but does NOT plac	ce the
	t or exhibit will NOT be considered b e Examiner in the final rejection.	ecause it is not directed SOLELY	to issues which were new	<i>i</i> ly
	s of Appeal, the proposed amendme of how the new or amended claims			1
The status o	of the claim(s) is (or will be) as follows	s:		
Claim(s) all	owed:			
	jected to:			
Claim(s) rej	jected: <u>1-4,7,9-11 and 13</u> .			

U.S. Patent and Trademark Office

10. ☑ Other: <u>See Continuation Sheet</u>

Claim(s) withdrawn from consideration: \_\_\_\_\_.

Walter D. Griffin Primary Examiner Art Unit: 1764

8. The proposed drawing correction filed on \_\_\_\_ is a) approved or b) disapproved by the Examiner.

9. Note the attached Information Disclosure Statement(s)( PTO-1449) Paper No(s).

 Continuation Sheet (PTO-303) 03/676,875

Continuation of 10. Other: Claims 1-4, 7, 9-11, and 13 will be rejected for the reasons of record over Hatanaka et al. in view of Harandi et al. as described in the Final Rejection (paper no. 12).

Applicants' arguments have been considered but are not persuasive for the following reasons. The argument that there is no motivation to combine the Hatanaka and Harandi references is not persuasive because utilizing the desulfurization process of Harandi as the second step step of Hatanaka will eliminate the need for a separate stripper. The argument that one would logically utilize the desulfurization process of Harandi as the first step in Hatanaka is not persuasive because the Harandi process would be effective and its advantages would be realized regardless of where it is applied in a process containing multiple hydrodesulfurization steps. The argument concerning the amount of non-mercaptan sulfur in the first stage product is not persuasive because Hatanaka is not limited solely to the teachings in the examples. The Hatanaka reference discloses that desulfurization rates in the first zone range from 60 to 90%. See col. 3, lines 45-67. Therefore, depending upon the initial amount of sulfur present in the feed, the Hatanaka process could result a product from the first zone that has sulfur amounts in the claimed range.